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| **IGMP Proxy** |

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| IGMP proxy sends IGMP host messages on behalf of a connected client. The |

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| configuration must define one, and only one upstream interface, and one or more |

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| downstream interfaces. |

**Configuration**

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| **set protocols igmp-proxy interface <interface> role <upstream | downstream>** | |
|  | **upstream:** The upstream network interface is the outgoing interface which is |

responsible for communicating to available multicast data sources. There can only be one upstream interface.

 **downstream:** Downstream network interfaces are the distribution interfaces to the destination networks, where multicast clients can join groups and receive multicast data. One or more downstream interfaces must be configured.

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| **set protocols igmp-proxy interface <interface> alt-subnet <network>** |

Defines alternate sources for multicasting and IGMP data. The network address must be on the following format ‘a.b.c.d/n’. By default, the router will accept data from sources on the same network as configured on an interface. If the multicast source lies on a remote network, one must define from where traffic should be accepted.

This is especially useful for the upstream interface, since the source for multicast traffic is often from a remote location.

This option can be supplied multiple times.

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| **set protocols igmp-proxy disable-quickleave** |

Disables quickleave mode. In this mode the daemon will not send a Leave IGMP message upstream as soon as it receives a Leave message for any downstream interface. The daemon will not ask for Membership reports on the downstream interfaces, and if a report is received the group is not joined again the upstream.

If it’s vital that the daemon should act exactly like a real multicast client on the upstream interface, this function should be enabled.

Enabling this function increases the risk of bandwidth saturation.

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| **set protocols igmp-proxy disable** |

Disable this service.

**Example**

Interface *eth1* LAN is behind NAT. In order to subscribe *10.0.0.0/23* subnet multicast which is in *eth0* WAN we need to configure igmp-proxy.

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| set protocols igmp-proxy interface eth0 role upstream  set protocols igmp-proxy interface eth0 alt-subnet 10.0.0.0/23 set protocols igmp-proxy interface eth1 role downstream |

**Operation**

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| **restart igmp-proxy** |

Restart the IGMP proxy process.